LGAI

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Bellaterra: 14th May, 2019

File: **19/19713-933 Part 2**

Petitioner's reference: **ARKTURA BV**
Scheepsbouwweg 8
D11 3089JW Rotterdam South Holland

CLASSIFICATION REPORT

1. – PRODUCT CHARACTERISTICS

Product trade name: SoftSound PET (polyethylene tetrephthalate)

It is a non-woven rigid textile board that is made from recycled PET plastic, with thickness of 12 mm, superficial density of 2300 g/m^2 and felt appearance.

Visual inspection done by the laboratory: beige insulating plate (thickness of 14 mm).

Fixing system: The sample was applied to the standard substrate (Calcium silicate according to UNE-EN 13238:2011).

Manufacturer: Arktura BV, Scheepsbouwweg 8, D11 3089JW Rotterdam South Holland.

2. - CLASSIFICATION AND DIRECT APPLICATION FIELD

This classification has been made in compliance with the procedures provided in Standard UNE-EN 13501-1:2007+A1:2010: "Fire classification of construction products and building elements. Part 1: Classification using data from reaction to fire tests".

2.1. – Test report

Name of the Laboratory	Applus – LGAI
Name of the Petitioner	ARKTURA BV
Test Report Number	19/19713-933 Part 1
Testing method	UNE-EN ISO 11925-2:2011 UNE-EN 13823:2012+A1:2016

2.2. – Test results

Testing method	**RESULTS – SoftSound PET (polyethylene tetrephthalate)**			
	CRITERIA CLASS B	**Nº OF TESTS**	**AVERAGE**	**COMPLIANCE**
UNE-EN ISO 11925-2:2011	$F_s \leq 150$ mm en 60 s	12	$F_s < 150$ mm	**YES**
	Paper inflammation		NO	**YES**
UNE-EN 13823:2012 +A1:2016	$FIGRA_{0.2\ MJ} \leq 120$ W/s	3	6.32	**YES**
	LFS < edge of sample	3	< to edge	**YES**
	$THR_{600s} \leq 7{,}5$ MJ	3	0.26	**YES**
	CRITERIA subclass 's1'	**Nº OF TESTS**	**AVERAGE**	**COMPLIANCE**
	SMOGRA ≤ 30 m^2/s^2	3	2.79	**YES**
	$TSP_{600s} \leq 50$ m^2	3	27.81	**YES**
	CRITERIA subclass 'd0'	**Nº OF TESTS**	**AVERAGE**	**COMPLIANCE**
	Fall of droplets/particles in flames within 600s	3	NO	**YES**

CLASSIFICATION

With regard to its behaviour when reacting to fire, the product SoftSound PET (polyethylene tetrephthalate) is classified as follows:

Behaviour to fire		Smoke production			Droplets in flames	
B	-	s	1	,	d	0

Fire reaction classification: B-s1,d0

This classification is only valid for the final conditions of use described in the present report.

2.3. – Field of application

- This classification is valid for the following product parameters:

The classification is only valid for the product characteristics shown.

- This classification is valid for following final conditions of use:

The product is intended to be used as acoustic and decorative application. It can be used in a variety of wall and ceiling applications.

2.4. - Restrictions

This classification standard should not be construed as a standard approval or certification of the product.

Digitally signed by Salvador Suñol Gálvez

Responsible of the Fire Laboratory
LGAI Technological Center S.A. (APPLUS)

Digitally signed by Vanessa Tutusaus Domingo

Responsible Technician of Reaction to Fire
LGAI Technological Center S.A. (APPLUS)